

July 21, 2011



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 15284
(FIRST REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See Individual Authorization Letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of anhydrous hydrogen fluoride in DOT 112S500I specification tank cars equipped with alternative pressure relief devices. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 179.15(a), 173.31(e)(2)(ii) and 173.244(a)(2) in that alternative pressure devices are authorized.
5. BASIS: This special permit is based on the application of Solvay Fluorides, LLC dated February 22, 2011 submitted in accordance with § 107.105 and the public proceeding thereon and additional information of June 21, 2011.

July 21, 20116. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Hydrogen fluoride, anhydrous	8	UN1052	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging authorized is DOT specification 112J500I tank cars equipped with pressure relief devices rated as specified paragraph 8 of this special permit. In addition to the requirements of the HMR, the tank cars must be constructed per the Solvay Chemicals Rail Car Specification Sheet on file with the Department of Transportation (DOT) as follows.

- (1) The requirement for metal jackets in §173.31(e)
- (2) is waived.
- (2) The tank car tank must be constructed of ASTM A516, Grade 70, normalized steel.
- (3) The shell and head must have a total thickness of 1.263" after rolling and forming.
- (4) The total thickness must include a minimum of a 1/32" corrosion allowance.
- (5) The tank car must be equipped with ½" full head shields.

b. MARKING: Each tank car operating under the terms of this special permit must be marked "DOT-SP 15284" in letters and numbers at least 4 inches high on a contrasting background above the qualification stencil.

c. MAINTENANCE: Prior to the first loaded movement of the tank cars constructed under the terms of this special permit, the grantee must submit a maintenance plan to the address provide in paragraph 10.a of this special permit.

8. SPECIAL PROVISIONS:

a. Each tank car shall be equipped with a pressure relief device with a minimum start discharge pressure of 375 pounds per square inch gauge (psig). The minimum flow capacity of

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the pressure relief device must be 7,299 standard cubic feet per minute (SCFM).

b. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

c. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

d. Shipping papers must display "DOT-SP 15284"

9. MODES OF TRANSPORTATION AUTHORIZED: Rail Freight.

10. MODAL REQUIREMENTS:

a. The grantee must notify the Federal Railroad Administration of any unusual incident or incidents known to it that occur during the movement of cars built under this special permit. This includes adverse findings related to corrosion of the tank shell or head found during regular external inspections. FRA may be contacted at:

Federal Railroad Administration
Hazardous Materials Division
RRS-12/Mail Stop 25
1200 New Jersey Avenue, SE
Washington, DC 20590
ATTN: William S. Schoonover, Staff Director
202-493-6229, FAX: 202-493-6478
William.schoonover@dot.gov

b. Prior to manufacturing, Solvay Fluorides must submit to the FRA a copy of the certificate of construction for the tank cars covered under this special permit.

c. A current copy of this special permit must be carried by the crew of each train used to transport packages covered by this special permit.

d. The grantee must notify the FRA a minimum of two week in advance of the start of manufacture of the tank cars built under the terms of this special permit.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 ET seq:

- O All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- O Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- O Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 Immediate notice of certain hazardous materials incidents, and 171.16 detailed hazardous

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materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: FRA:sg